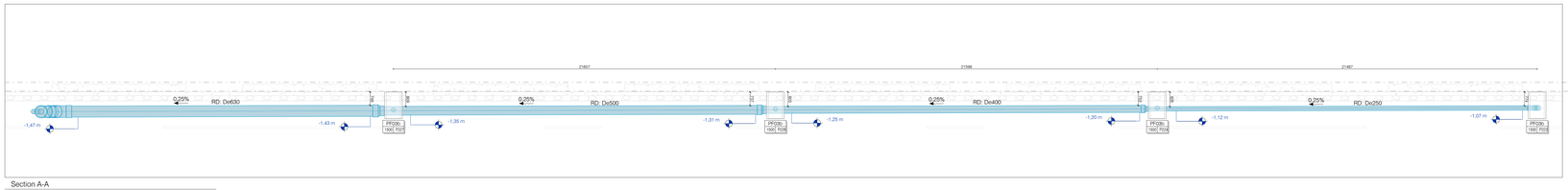
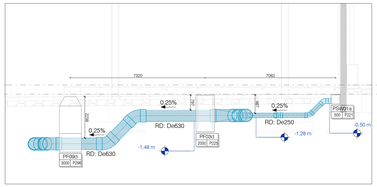


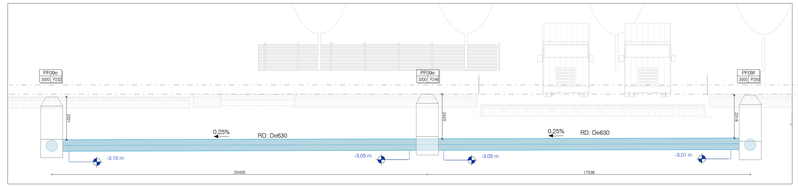
Section A-A

1 : 100



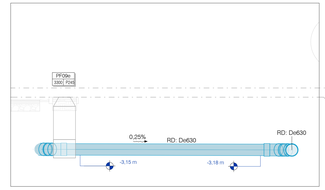
Section B-B

1 : 100



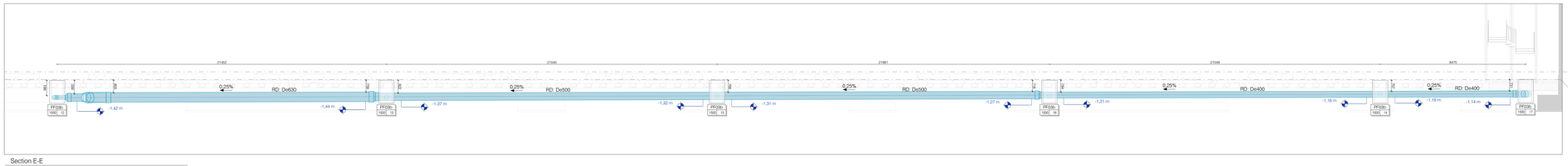
Section C-C

1 : 100



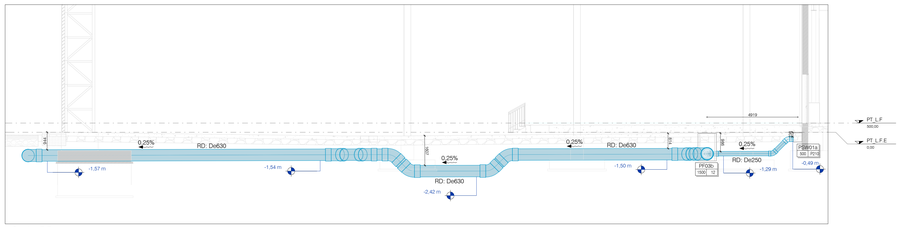
Section D-D

1 : 100



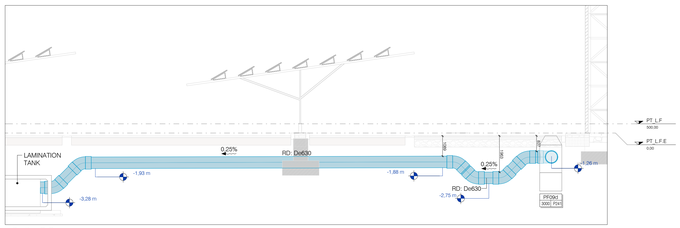
Section E-E

1 : 100



Section F-F

1 : 100



Section G-G

1 : 100

Manhole - Tag

Object code → PXXX

Height → XXX YYY ← progressive number

Object code → DXXX

Height → DXXX

DR - Legenda Tubazioni

DR - Pipe Systems Legend

DR	Scarico Acque Meteoriche *Rain Water*
DR	Scarico Acque Disciolte *Cleaned City Water*
	Pozzetto Ispezionabile - Chiusino Classe D400 *Inspectionable Manhole - For Cover Class D400*
	Pozzetto Ispezionabile - Chiusino Classe D400 *Inspectionable Manhole*
	Pozzetto Aperto *Open Manhole*
BOP 0.35 m	Quota Fondo Tubo - BOP *Bottom of Pipe quote - BOP*

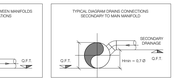
5200 Schedule Plumbing Fixtures

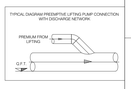
Type Mark	Length	Width	Diameter
PF01b	500.00	500.00	
PF03b	1000.00	1000.00	
PF03d	1000.00	1000.00	
PF09a			1200.00
PF09b			1200.00
PF09c			1200.00
PF09d			1200.00
PF09e			1200.00
PF09f			1200.00
PSW01a	500.00	500.00	
PSW01c	500.00	500.00	

NOTES PLUMBING AND DRAINAGE SYSTEMS:

- Supply piping for the water and sanitary utilities within the toilets will be made of multilayer from manifolds.
- In case of supply not derived from manifold, place recessed shut-off taps with cap for each water utility.
- Water heaters will be placed in the technical rooms and connected to the nearest toilet, or in other locations agreed with the DL.
- All drain risers should be equipped with inspectable siphons at the foot, extended above the roof and adequately ventilated.
- Condensate water collection networks must be separate and distinct from those into which they flow by the interposition of permanently wet or dry inspectable odor trap.
- Graywater collection networks must be separate and distinct from those into which they flow by the interposition of an inspectable siphon.
- Stormwater collection networks shall be separate and distinct from blackwater to the collection sumps located upstream of the Inspection/Siphon/Brace unit feeding to the public sewer.
- Sump pumps must be sized to ensure the emptying of the collection sumps in the event of rainfall and fitting tanks equipped with electric pumps.
- Testing operations should be carried out while keeping the drainage network continuously visible.
- Provide inspection points in manholds upstream of each confluence, bend or special piece.
- All discharges, blackwater, blackwater and secondary, except where otherwise indicated, shall have the following minimum slopes:

blackwater / graywater pipes	i=2%
blackwater / grease collectors	i=1%
stormwater / condensate manifolds	i=0,5%





GENERAL NOTES:

- Drawing valid only for mechanical installations under contract.
- All measurements and locations of materials and equipment are to be verified on site by the contractor, who shall promptly report any interference with existing.
- Any undetected equipment shall be maintained; if necessary, it shall be modified and restored by the contractor.
- The sizing of the pipes shown in the drawings is to be considered indicative; the final sizing will be determined by the contractor and submitted to the construction manager.
- Final sizing according to the manufacturer of the equipment and materials actually installed.
- All equipment must be easily maintainable and accessible via trapdoors or similar solutions even where not specifically specified.
- It will be the contractor's responsibility to size and assevarate all supports, in a workmanlike manner and in compliance with all regulatory requirements for earthquake-proofing.
- Construction detail drawings necessary for the proper execution of the work shall be arranged by the contractor.
- The contractor must provide for the supply of all parts, even if not specifically mentioned, necessary for the proper functioning, good engineering rules on acoustics and fire prevention.
- All planned and described interventions, evaluated on the basis of the available documentation, should be re-evaluated and deepened during the works, after plant verification following appropriate surveys of the existing situation.
- The contractor must carefully check the design and report any inaccuracies, incompleteness or discrepancies with any standard or law.
-Connections between two or more sections of duct both with indoor units and with ducts themselves, shall be made only with invitation fittings and not with hammered derivations or detachments. The Contractor shall be responsible for making construction drawings showing the type of derivations and connections between ducts and ducts with the indoor units provided.

OTHER NOTES:

The RIBA4 Section has been prepared to provide an overview of the external systems, with the understanding that the RIBA4 Site project has not yet been finalized. As such, minor adjustments to the external networks may be required, particularly regarding their integration and coordination.

It is the responsibility of the General Contractor, during the RIBA5 design phase, to ensure that the systems are coordinated and compliant with the final RIBA4 project for the entire site. This includes alignment with the "CSA Stack" standards and the specifics of the Milano Rho projects. Any necessary adjustments will be conducted in full compliance with the requirements and project needs defined in the RIBA4 design.

NOTE GENERALI

1. Il presente documento è valido solo per il progetto di Discipline'.
2. Per la corretta interpretazione del disegno è necessario lo sfruttamento di tutti gli elaborati di progetto e grafici.
3. Si fa divieto di riprodurre elaborati del progetto e dei disegni anche parziale senza la previa autorizzazione da parte del progettista, che mvane tutcire il progettatsi rivvale del progetto.
4. Tutti gli elaborati progettuali sono soggetti a rotigazione dellmpatto acustico che potrebbero subire modifiche a seguito delle valutazioni previsionali di impatto acustico
5. Le misure riportate sono indicative e vanno definitivizzate in sede di L'LO.
6. Tutte le quote sia allineate che che dimensionali devono essere verificate e accuratamente rilevate in sito a cura dell'appaltatore dei lavori prima dell'esecuzione dei lavori, informare immediatamente la D.L. in caso di difformità.
7. Il progetto è stato sviluppato secondo una strategia antincendio, lo stesso potrebbe subire modifiche a seguito delle valutazioni del Progetto di Prevenzione Incendi. In ogni caso tutti gli allineamenti di sotto riportati che dovessero subire modifiche a seguito delle valutazioni del PPI, dovranno essere regolarizzate in modo da garantire la resistenza al fuoco.
8. Il progetto potrà essere oggetto di revisioni a seguito di incontri comunali con gli enti preposti al rilascio delle autorizzazioni.
9. Tutte le finiture e le colorazioni saranno da campionare e definire con la D.L. successivamente.
10. Gli impianti meccanici ed elettrici a progetto potrebbero risultare complanari a

GENERAL NOTES

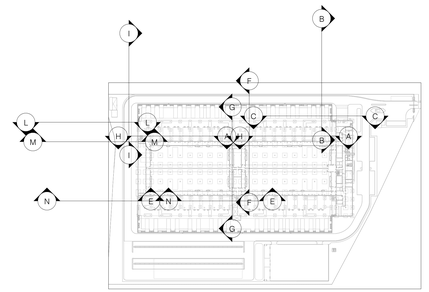
1. This document is valid only for the 'Subject'project.
2. Correct interpretation of the drawing requires access to all of project and graphic drawings.Spoiler
3. Any reproduction without a modification of the design and drawings in whole orpartiallyis unless authorized by the designer, who reserves the right to act toand reject of the Project.
4. The project has been developed following a passive noise mitigation strategies that may be modified as a result of the Preliminary Pressure Noise Impact Assessment.
5. The project may be changed as a consequence of L'LO drawing development.
6. All measurements and locations of materials and equipment are to be verified on site by the work contractor and to executive of any work, informing the DP immediately in case of discrepancies.
7. The project has been developed following a fire fighting strategy, the same may be modified following the development of the 'Fire Prevention Project'. In any case all that is set out below and that could be subject to modifications as a result of the PPI, must in any case to restore its resistance.
8. The project is subject to revisions following visits of commissions from the Municipal Authorities in the administrative field.
9. All finishes and color will be to be sampled and advised with the Architectural DP.
10. Mechanical and electrical systems planned may be implanted or corrected, also and exclusively in attendance of APEA or BA.
11. All materials and fan-coils represented in the design are for illustrative purposes only. The Contractor will be responsible for the choice of materials and equipment that will be used in the design. The in installation in place. The Contractor shall always attune to the DP the choice of materials and equipment before the purchase.
12. If a component excluded from the contract the supply of the dichiarazioni, Rules a Regola d'arte, Certificates of Conformity and Declarations of Conformity of the entire installed components (heat pump, air handling assembly, compressed air, etc.) to the Prevention Measures. (Fabbry Fair Mode).
13. Unblocks mostly all impianti indicati in oggetto e va letto insieme a tutti i documenti di progetto e a qualsiasi ulteriore dettaglio e informazione (capitolato, relazione, computo metrico).

OTHER NOTES:

The RIBA4 Section has been prepared to provide an overview of the external systems, with the understanding that the RIBA4 Site project has not yet been finalized. As such, minor adjustments to the external networks may be required, particularly regarding their integration and coordination.

It is the responsibility of the General Contractor, during the RIBA5 design phase, to ensure that the systems are coordinated and compliant with the final RIBA4 project for the entire site. This includes alignment with the "CSA Stack" standards and the specifics of the Milano Rho projects. Any necessary adjustments will be conducted in full compliance with the requirements and project needs defined in the RIBA4 design.

Firmato digitalmente da:
Roberto Cereda
Data: 01/08/2025 12:30:21



N

REV	DATA / DATE	DESCRIZIONE / DESCRIPTION
-	11/10/2024	RIBA4 - Underground Services

PROGETTISTA / DESIGNER:

L22 è una divisione di:
Lombardini22 S.p.A.
Via Lombardini 22
20143 Milano, Italia
P. IVA/CF 00 59 62 00
IT +39 02 89 20 10 87
IVA/GVD Z
www.l22.it

Black & White Engineering
Unit 3 Olympic Way London, EC2A 3BB
United Kingdom
www.bw-engineering.com

STRUTTURE / STRUCTURE:

Ing. Arturo Donada
SPS Studio Progetti Strutturali
www.spsstrutt.it
Via M. Gioia, 64 - 20125 Milano, Italia
segreteria@spsstrutt.it T. 0226884887

COMMITTENTE / CLIENT:

INFRASTRUCTURE ITALIA LAND S.r.l.
Via dei Bosco Rinnovato, 8 Palazzo 3/4 20090 Assago (MI)

PROGETTO / PROJECT:
MIL 05A
Via Galileo Galilei SNC, Vignate (MI)

PROGETTISTA / DESIGNER:
Ing. Roberto Cereda - Iscritto all'Ordine degli Ing. di Brescia n°2609

OGGETTO / OBJECT:
RIBA 4 - MIL 05A

TITOLO / DESCRIPTION:
Sections, 1/2 External Services
Rainwater Drainage System
Sezioni, 1/2 Servizi Esterni
Scarichi Acque Meteoriche

DISEGNATO DA: DRAWN BY:	CONTROLLATO DA: CHECKED BY:
L22	L22
DATA/ DATE: 11/10/2024	SCALA / SCALE: 1:100
NOME FILE / FILE NAME: 4025_EM_5210-Z	
COMMESSA / JOB: 4025	FORMATO / SHEET: A0 +

TAVOLA / DRAWING:

EM_5210

DATA REV.: 11/10/2024 | REV.:

© Lombardini22 S.p.A. ES DT (rev.-) (L.663/41 Art.2578)